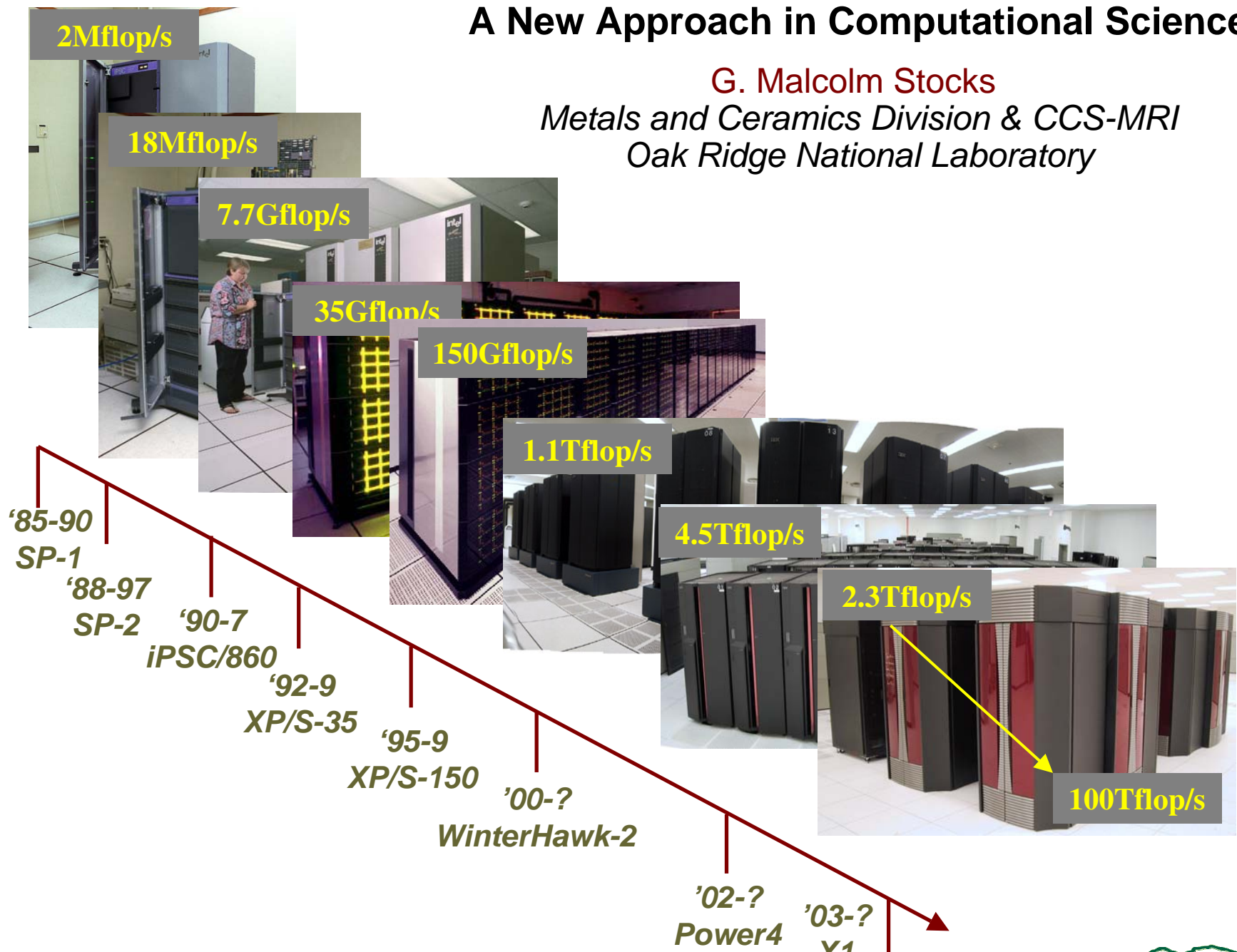
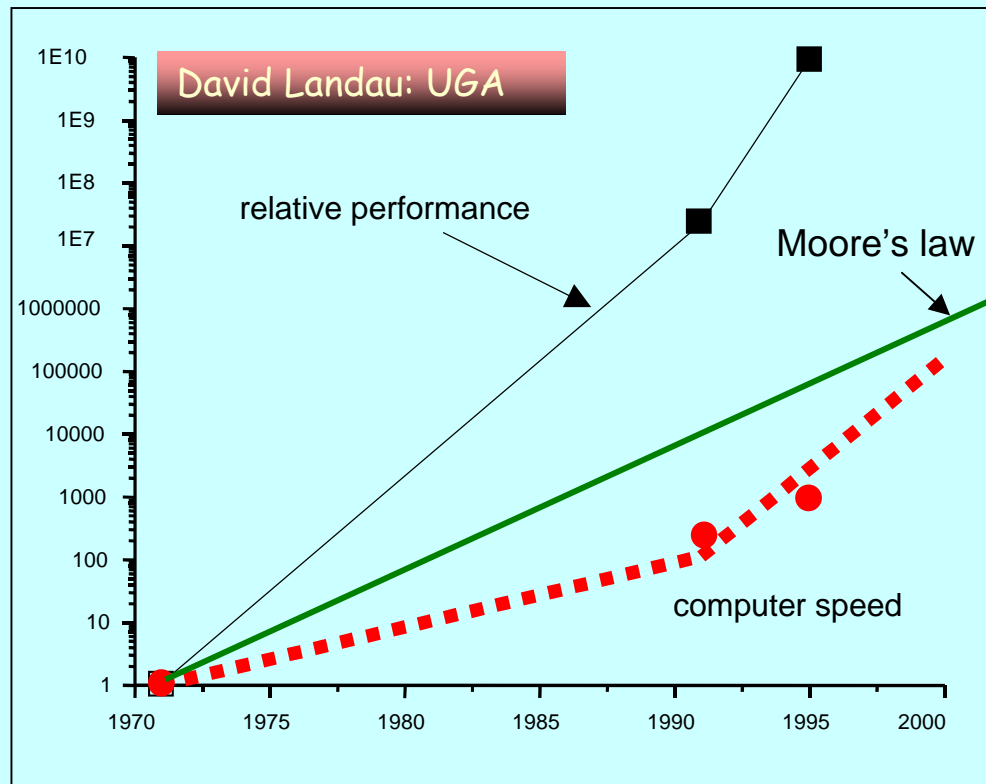


A New Approach in Computational Science

G. Malcolm Stocks

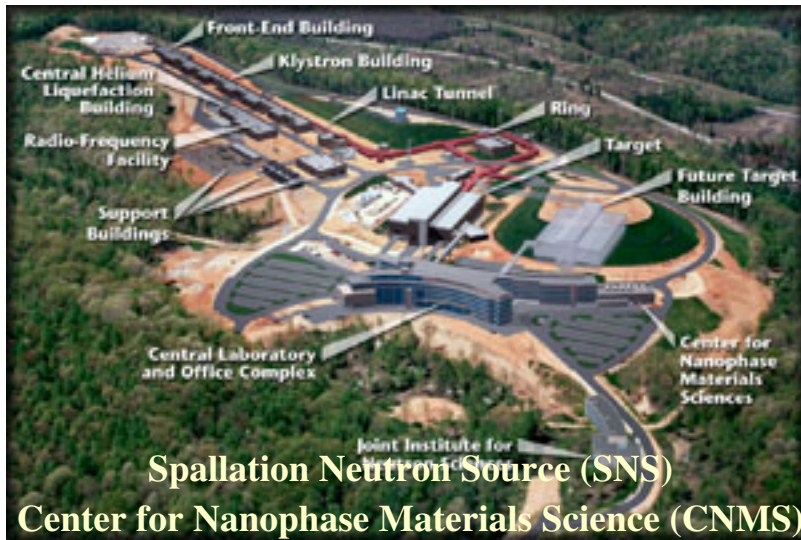
Metals and Ceramics Division & CCS-MRI
Oak Ridge National Laboratory



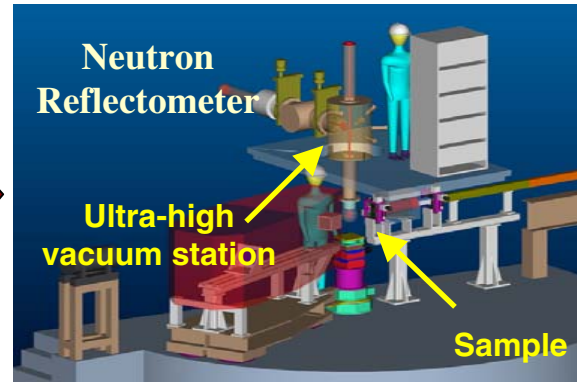


Relative performance increase of Ising model simulations (■) compared the normalized speed of the computers (●) the simulations were executed on. The dashed line is a schematic of the increase in peak performance of the fastest supercomputers since 1972.

New Approach: Facilities/End Station Analogy



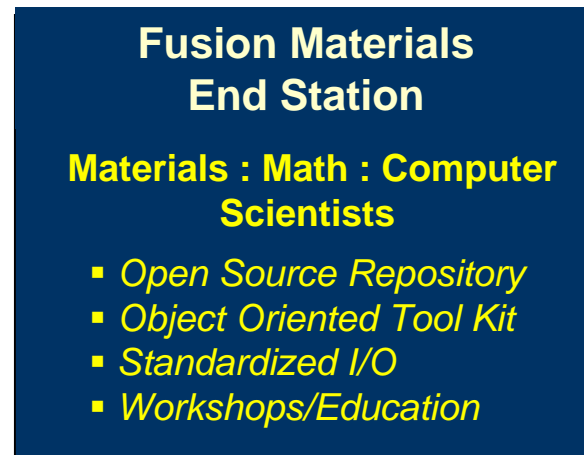
Facility



End Station



**User
 Community**



**User
 Community**